

75th MORSS CD Cover Page

UNCLASSIFIED DISCLOSURE FORM CD Presentation

712CD

For office use only 41205

12-14 June 2007, at US Naval Academy, Annapolis, MD

Please complete this form 712CD as your cover page to your electronic briefing submission to the MORSS CD. Do not fax to the MORS office.

<u>Author Request</u> (To be completed by applicant) - The following author(s) request authority to disclose the following presentation in the MORSS Final Report, for inclusion on the MORSS CD and/or posting on the MORS web site.

Name of Principal Author and all other author(s):

Ms. Robyn L Sindel

Principal Author's Organization and address: The Boeing Company Mail Code S270-4225 P. O. Box 516

St. Louis, MO 63166-0516

Email: robyn.l.sindel@boeing.com

Phone: 314-233-7281

Fax: 314-233-2363

Original title on 712 A/B:

Involving the Extended Value Chain in a Whole Life Target Costing Model

Revised title:		

Presented in: WG-27 Cost Analysis

This presentation is believed to be: UNCLASSIFIED AND APPROVED FOR PUBLIC RELEASE

maintaining the data needed, and c including suggestions for reducing	election of information is estimated to completing and reviewing the collect this burden, to Washington Headquuld be aware that notwithstanding ar OMB control number.	ion of information. Send comments arters Services, Directorate for Infor	regarding this burden estimate of mation Operations and Reports	or any other aspect of the 1215 Jefferson Davis	nis collection of information, Highway, Suite 1204, Arlington			
1. REPORT DATE 01 JUN 2007		2. REPORT TYPE N/A		3. DATES COVE	RED			
4. TITLE AND SUBTITLE		5a. CONTRACT NUMBER						
Involving the Exter Model	et Costing	5b. GRANT NUMBER						
iviouei				5c. PROGRAM ELEMENT NUMBER				
6. AUTHOR(S)		5d. PROJECT NUMBER						
					5e. TASK NUMBER			
		5f. WORK UNIT NUMBER						
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) The Boeing Company Mail Code S270-4225 P. O. Box 516 St. Louis, MO 63166-0516 8. PERFORMING ORGANIZATION REPORT NUMBER								
9. SPONSORING/MONITO	RING AGENCY NAME(S) A		10. SPONSOR/MONITOR'S ACRONYM(S)					
			11. SPONSOR/MONITOR'S REPORT NUMBER(S)					
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release, distribution unlimited								
13. SUPPLEMENTARY NOTES See also ADM202526. Military Operations Research Society Symposium (75th) Held in Annapolis, Maryland on June 12-14, 2007, The original document contains color images.								
14. ABSTRACT								
15. SUBJECT TERMS								
16. SECURITY CLASSIFIC	17. LIMITATION OF	18. NUMBER	19a. NAME OF					
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified	ABSTRACT UU	OF PAGES 18	RESPONSIBLE PERSON			

Report Documentation Page

Form Approved OMB No. 0704-0188



Phantom

Involving the Extended Value Chain in a Whole Life Target Costing Model

A Study Sponsored by the CAM-I Target Costing Interest Group



Robyn Sindel
The Boeing Company
MORS Symposium

CAM-l's Membership

CAM-I's international consortium consists of:

- Manufacturing companies
- Service organizations
- Government
- Professional bodies
- Software companies
- Consultancies
- Academia



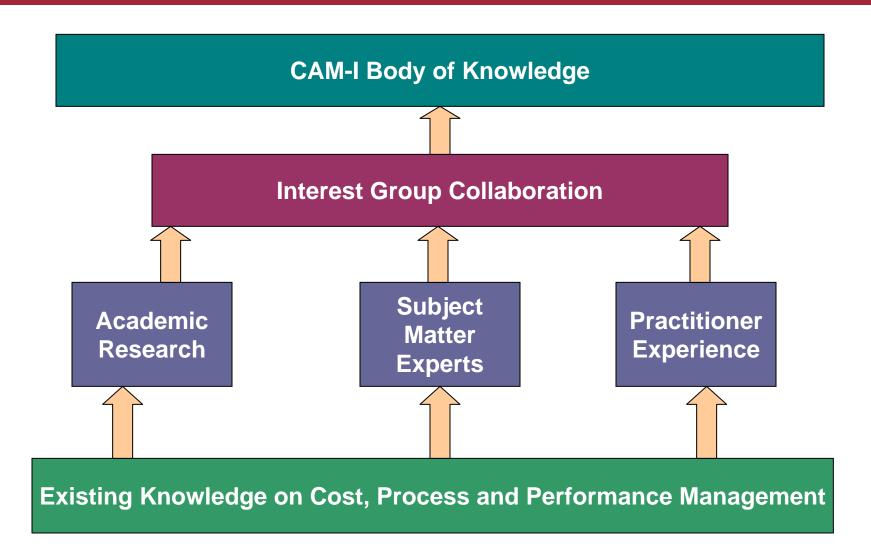
Who work in collaboration to solve management problems and critical business issues that are common to the group in the areas of cost, process and performance management

CAM-I Member Companies

- ABS Consulting, Inc.
- ATI
- Bank of America
- BAE Systems
- Bob Paladino & Associates, LLC
- Boeing Company
- Business Objects
- CALIBRE Systems
- Cost Vision
- CMA (Canada)
- Department of Defense
- Executive Management Associates
- Godrej & Boyce Manufacturing
- Grant Thornton LLP
- IBM Corporation

- International Truck & Engine Company
- On Semiconductor
- Pilbara Group Inc.
- Regence
- Rockwell Collins
- Royal Australian Navy
- SAP AG
- SAS Institute
- Synerma, Inc.
- Tata Consulting Services Limited
- U. S. Air Force
- U. S. Coast Guard
- U. S. Marine Corps
- U. S. Navy
- U. S. Patent and Trademark Office
- VEN International

How Interest Groups Create the CAM-I Body Of Knowledge



CAM-I Target Costing Best Practice Interest Group

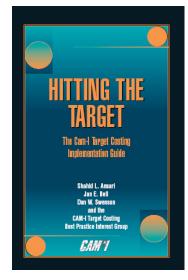
Mission:

Develop an ongoing vehicle for sharing target costing practices among the participants

Members

- Boeing BCA, IDS, PW
- CostVision
- IBM
- Regence Group

- Rockwell Collins
- US Air Force
- US Coast Guard
- VEN International



Academics

- Dr. Shahid Ansari Babson College
- Dr. Mohan Gopalakrishnan Arizona State University

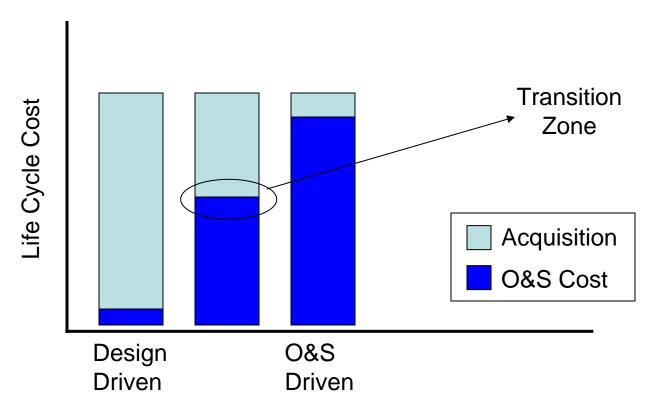
Involving the Extended Value Chain in a Whole Life Target Costing Model

- Purpose and Scope
- Importance of Study
- Overview of Preliminary Findings
- How You Can Help



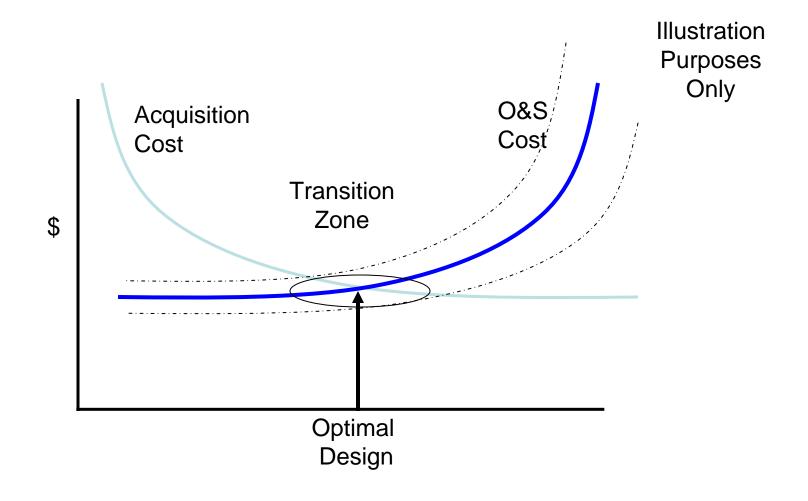
Purpose

How to involve Operations & Support (O&S)
 suppliers as partners in design process when O&S
 cost is a significant proportion of Life Cycle Cost



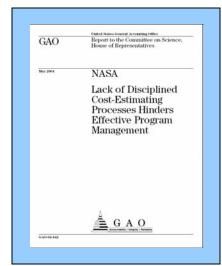
Concept of the Bulletin

Acquisition versus O&S Paradigm



Why is this important?

- GAO report findings on NASA (5/04):
 - Focus on annual budgets vs. managing total program costs
 - Space Station: budgets not credible -- LCC estimates not prepared
 - Underestimating full LCC creates risk that program be under-funded and subject to major cost overruns
 - 7 of 10 programs fail independent review of supplier estimates (problem: low bid to win contract)

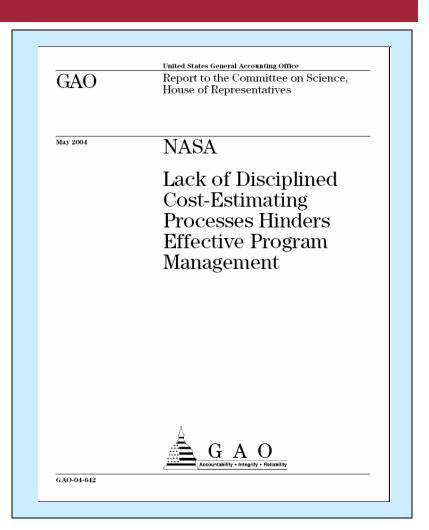


Inadequate planning for O&S costs drives budget overruns

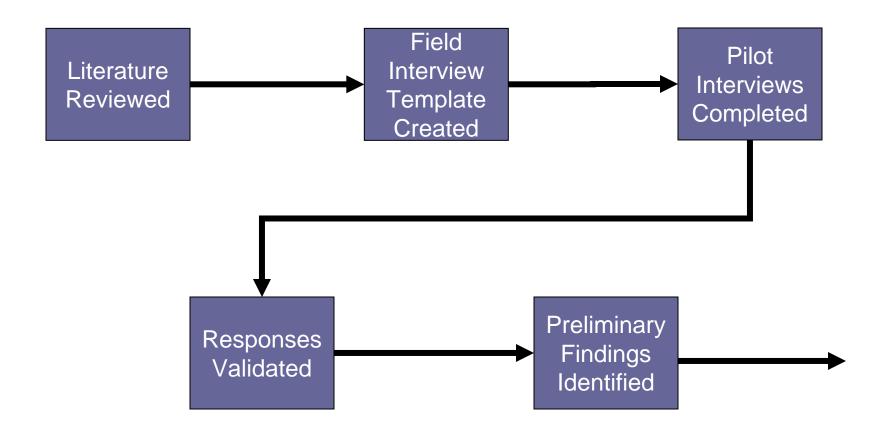
GAO Findings

Recommendations:

- "...establish a standard framework for developing lifecycle cost estimates"
- "base its cost estimates on a full life cycle for the program...that encompass both in-house and contractor efforts"



What We Have Done



Preliminary Findings

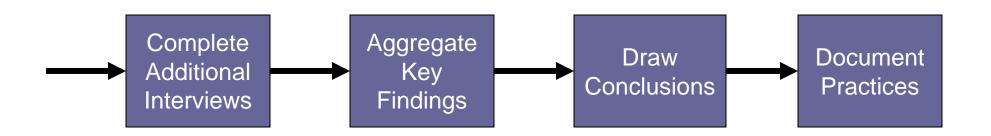
- Contractor does not receive O&S targets
- Lacking justification for estimate
- Reluctance to commit for activities 10 + yrs out
- O&S costs takes lower priority than technical performance and schedule



- Insufficient development budget for O&S analysis
- Suppliers see skewed data
- Incentivized to win proposal, no incentive for O&S
- Estimates vary widely based on changing assumptions
- Data not collected at an appropriate level to create CERs

GAO findings were published 3 years ago, likely developed ~5 years ago. According to the preliminary findings, **not much has changed**

Next Steps









How you can help

- Participate in survey
- Suggest potential interviewees
- Validate findings
- Be our guest at CAM-I in Memphis



Benefits

- Contribute to leading edge research
- Complimentary executive summary
- Latest knowledge of Target Costing



References

GAO Report



www.gao.gov



CAM-I



www.cam-i.org



Robyn Sindel



(314) 233-7281



robyn.l.sindel@boeing.com



Questions?

Interview Questions Set Around 4 Themes

- Supplier involvement & engagement
- Contractual issues
- Setting & accepting O&S targets
- Managing risk and uncertainty